



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-2021-09-08-08 Date: 19-12-20
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division , BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division , BBMP, Bangalore.
Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.
Agency : Sri.G Venkategowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.
Customer Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 17-12-20
Type of Mix : WMM (Wet Mix Macadam)
Date of Test : 17-12-20
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	310	310	2.8	97.2	95-100
22.4	2248	2558	23.3	76.7	60-80
11.2	2176	4734	43.0	57.0	40-60
4.75	2251	6985	63.5	36.5	25-40
2.36	1619	8604	78.2	21.8	15-30
0.6	623	9227	83.9	16.1	8-22
0.075	1352	10579	96.2	3.8	0-5

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.

All information Furnished by Customer/ Representative

Any correction in the report will make this report invalid.

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಇದರಲ್ಲಿ ಉಪಯುಕ್ತ ಮಾಹಿತಿಗಳು ಉಪಯುಕ್ತವಾಗಿವೆ.
ಇದರಲ್ಲಿ ಉಪಯುಕ್ತ ಮಾಹಿತಿಗಳು ಉಪಯುಕ್ತವಾಗಿವೆ.
ಇದರಲ್ಲಿ ಉಪಯುಕ್ತ ಮಾಹಿತಿಗಳು ಉಪಯುಕ್ತವಾಗಿವೆ.

Page 1/1
End of Report



FOR CIVIL Pro.

R. ARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF AGGREGATE IMPACT VALUE

IS: 2386 Part IV

Lab ID : CP-2021-09-08-08 Date: 19-12-20

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.

Agency : Sri.G Venkatesh Gowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.

Customer Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 17-12-20

Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)

Date of Test : 17-12-20

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Percentage	24.6	

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.

All information Furnished by Customer/ Representative

Any correction in the report will make this report invalid.

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರ
ಯುಪಕರಣ ಉಪವಿಭಾಗ
ಇ.ಐ.ಎ.ಓ. ಬೆಂಗಳೂರು-106

Page 1/1
End of Report



FOR CIVIL Pro.

R K ARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE (IS 2386 (Part 1) 1963 (RA 2007))

Lab ID : CP-2021-09-08-08 Date: 19-12-20
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.
Agency : Sri.G Venkatesh Gowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore-560064.
Customer Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 17-12-20
Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test : 17-12-20
Result:

Index	Percentage of Flakiness and Elongation Index	Specified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.

All information furnished by Customer/ Representative

Any correction in the report will make this report invalid.

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಇದರಲ್ಲಿ ಉಪಯುಕ್ತವಾದ ಮಾಹಿತಿಗಳು ಉಪಯುಕ್ತವಾಗಿರುತ್ತವೆ.
ಇದರಲ್ಲಿ ಉಪಯುಕ್ತವಾದ ಮಾಹಿತಿಗಳು ಉಪಯುಕ್ತವಾಗಿರುತ್ತವೆ.
ಇದರಲ್ಲಿ ಉಪಯುಕ್ತವಾದ ಮಾಹಿತಿಗಳು ಉಪಯುಕ್ತವಾಗಿರುತ್ತವೆ.



FOR CIVIL Pro.

R. ARTHIK RECHAN
Authorized Signatory
Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS FOR MS BLOCK PIPE

Lab ID : CP-2021-09-08-08 Date: 26-12-20
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division ,
BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division , BBMP, Bangalore.
Agency : Providing benches and drilling of borewells at burial ground in ward no-04
of satellite town sub division.
Project Name : Sri.G Venkategowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main
road Omega Hospital Yelahanka new town Bangalore- 560064.
Customer's Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-12-20
Type of Sample : M.S Block Pipe
Reference to BIS codes : IS:1608-2005(RA 2011), IS 1599-2012.
Date of test : 23-12-20

TESTS RESULTS FOR MS BLOCK PIPE 38MM DIA, 14 GAUGE

Sl. No	Description	Result	Required as per as IS Code 2062: 2011	Remarks
1	Yield Stress (N/mm ²)	299	250N/mm ²	Satisfactory
2	Tensile Strength (N/mm ²)	509	410N/mm ²	Satisfactory
3	Elongation Percentage (%)	24	Min 23%	Satisfactory

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

AG
ಇವು ಸಮೀಕ್ಷಾ ಅಧಿಕಾರಿಗಳ
ಯಶಸ್ವಿ ಸಮೀಕ್ಷಾ ಅಧಿಕಾರಿಗಳ
ಪರಿಶೀಲನೆ-106

FOR CIVIL Pro.



R-K
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



TEST RESULTS FOR CHAIN LINK FENCING

Lab ID : CP-2021-09-08-08 Date: 26-12-20
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.
Agency : Sri.G Venkatesgowda s/c Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.
Customer's Reference : EE(YNK.D)E PMT.06/W O/156/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-12-20
Type of Sample : Chain Link Fencing
Reference to BIS codes : IS 2062:2011
Date of test : 23-12-20

TESTS RESULT FOR WIRE MESH		
SL.NO	Description	Result
1	Average Thickness in mm	4.04
2	Dia of linewire in mm	3.14
3	Mesh size in mm	50.01
4	Nominaldia of meshwire in mm	2.52
5	Bend Test	Satisfactory

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಇದರಲ್ಲಿ ಉಲ್ಲೇಖಿಸಿದ ವಿಷಯವು
ಖುಲಾಸೆ ಮತ್ತು ಸಮೀಕ್ಷೆಗಾಗಿ
ಉಪಯೋಗಿಸಲ್ಪಟ್ಟಿದೆ-106



FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Lab ID	: CP-2021-09-08-08	Date: 26-12-20
Customer	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division , BBMP, Bangalore.	
Address	Yelahanka Satellite Town Sub Division , BBMP, Bangalore.	
Project Name	Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.	
Agency	Sri.G Venkategowda s/o Govindaraju, B3-II 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.	
Customer's Reference	EE(YNK.D)E.PMT.06/W.O/156/2020-21	
Source of Sample	Sample supplied by Agency	
Sample Condition	Satisfactory	
Date of Receipt	23-12-20	
Type of Sample	M S Rectangular Pole(65X65X6)mm	
Reference to BIS codes	IS:1608-2005(RA 2011), IS 1599-2012.	
Date of test	23-12-20	

TESTS RESULTS FOR M.S RECTANGULAR POLES MADE OUT OF 2 EQUAL ANGLES OF 65 X 65 X 6 MM WELDED TOGETHER				
SL.NO	Description	Result	Required as per IS Code 2062:2011	Remarks
1	Weight/Meter (Kg /m)	5.81	5.8 Kg/m	Satisfactory
2	Yeild stress (N/mm2)	278	250N/mm ²	Satisfactory
3	Tensile Strength (N/mm2)	485	410N/mm ²	Satisfactory
4	Elongation Percentage (%)	23.5	Min23%	Satisfactory
5	Bend Test	Satisfactory	Should not Crack or fracture	Satisfactory

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part. Samples will be disposed after 30 days from the date of analysis.

Samples will be disposed after 30 days from the date of issue of test certificate

Samples will be disposed after 30 days.

Page 1/1

End of Report



FOR CIVIL Pro

KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



CEMENT CONCRETE FLOORING TILES

Lab ID : CP-2021-09-08-08 Date: 25-11-20
 Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
 Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
 Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.
 Agency : Sri G Venkatesh Gowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.
 Customer Reference : EE(YNK D)E.PMT.06/W.O/156/2020-21
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 20-11-20
 Sample Type : Pre-Polished Designer Cement Concrete Tiles
 Reference to BIS codes : IS 1237:2012
 Date of test : 20-11-20

1. Water Absorption

SL.No.	Measured Dimension (mm)			Water Absorption (%)	Average (%)	Requirement as per IS:1237-2012
	L	B	T			
1	400	399	25.09	2.530	2.21	The average percentage of water absorption shall not exceed 10.
2	401	401	25.05	1.920		
3	400	401	25.11	2.170		
4	400	399	25.06	2.060		
5	399	400	25.17	1.800		
6	400	400	25.13	2.760		

2. Wet Transverse Strength

SL.No.	Measured Dimension (mm)			Wet Transverse Strength (N/mm ²)	Average (N/mm ²)	Requirement as per IS:1237-2012
	L	B	T			
1	401	401	25.02	7.83	7.8	The average wet transverse strength shall not be less than 3N/mm ² .
2	401	401	25.04	8.16		
3	400	399	25.06	7.51		
4	399	401	25.01	7.88		
5	400	400	25.05	8.25		
6	401	399	25.03	7.29		

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

AS
 ಇಯುಸಿ ಇಂಜಿನಿಯರಿಂಗ್ ಪ್ರೈವೇಟ್ ಲಿಮಿಟೆಡ್
 ಯುಎಸ್‌ಎಸ್‌ಐ ಸುಪರ್‌ಟೆಕ್ ಸುಪರ್‌ಬಾಕ್
 ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-108

Page 1/1
 End of Report



FOR CIVIL PRO
 R KARTHIK RECHAN
 Authorized Signature
 Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
 WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-09-08-08 Date: 12/12/2020

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.

Agency : Sri G Venkatesh Gowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.

Customer's Reference : EE(YNK D)E PMT.06/W.O/156/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-12-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS. 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 12/12/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	PCC	M15	05/12/2020	12/12/2020	150.66 X 149.84 X 149.80	22574	8.670	290.5	12.9	12.9
2	PCC	M15	05/12/2020	12/12/2020	149.18 X 149.14 X 149.92	22249	9.049	284.6	12.8	
3	PCC	M15	05/12/2020	12/12/2020	149.97 X 150.67 X 150.21	22596	8.820	291.6	12.9	

* The results obtained are satisfactory as per standard requirements

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಶ್ರೀ ಗೋವಿಂದ್ ರಾವ್
ಯಂತ್ರಾಂಗ ಸಹಾಯಕ ನಿರ್ದೇಶಕರು
ಬಿ.ಬಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-108

Page 1/1
****End of Report****



FOR CIVIL PRO.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-09-08-08 Date: 23-11-20

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.

Agency : Sri.G Venkateshgowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.

Customer's Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-11-20

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 20-11-20

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

Page 1/2

1. ಸಾಂಪಲ್ ಉಪಯೋಗಕ್ಕೆ ಅನುಮೋದನೆ
ಯು.ಎಂ.ಎ. ಲ್ಯಾಬೋರಿಟರಿ-106



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yaho.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID : CP-2021-09-08-08 Date: 24-11-20

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.

Agency : Sri.G Venkategowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.

Customer's Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-11-20

Sample Type /Size : CC Kerb Stone/ 450*165*400mm

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 20-11-20

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	A	100.01	165.51	2.864	7854	139.5	17.8	17.8	22.2
2	B	100.03	165.49	2.793	7857	138.6	17.6	17.6	22.0
3	C	100.01	165.50	2.815	7854	134.6	17.1	17.1	21.4

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಇದರಲ್ಲಿ ಉಲ್ಲೇಖಿಸಿದ ಮಾಹಿತಿಗಳು
ಯಶಸ್ವಿ ಮತ್ತು ಸಮಗ್ರವಾಗಿರುತ್ತವೆ.
೧೨.೧೧.೨೦೨೧ ರಲ್ಲಿ ಪರಿಶೀಲಿಸಲಾಯಿತು-೧೦೮

Page 1/1
****End of Report****



FOR CIVIL Pro.

R. N. MATHIK RECHAN
Authorized Signatory
Quality Manager

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-09-08-08 Date: 23-11-20
Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division ,
BBMP, Bangalore.
Address : Yelahanka Satellite Town Sub Division , BBMP, Bangalore.
Project Name : Providing benches and drilling of borewells at burial ground in ward no-
04 of satellite town sub division.
Agency : Sri.G Venkategowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main
road Omega Hospital Yelahanka new town Bangalore- 560064.
Customer Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 20-11-20
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 20-11-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	196	196	3.9	96.1	90-100
3	10 mm	2341	2537	50.7	49.3	25-55
4	4.75 mm	2289	4826	96.5	3.5	0-10
5	Pan	174	5000	100	0	-

Page 1/2

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಆವರಣತರದ
ಯಲಹಂಕರ ಉಪವಿಭಾಗ,
ಇ.ಇ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-09-08-08 Date: 23-11-20

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.

Agency : Sri.G Venkategowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore-560064.

Customer's Reference : EE(YNK.D)E.PMT.06/W.O/156/2020-21

Source of Sample : Sample supplied by Agency

Sample condition : Satisfactory

Date of Receipt : 20-11-20

Sample Type : 40mm down size coarse aggregate

Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties

Date of test : 20-11-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	325	325	2.2	97.8	90-100
3	20 mm	5877	6202	41.3	58.7	30-70
4	10 mm	4935	11137	74.2	25.8	10-35
5	4.75 mm	3250	14387	95.9	4.1	0-5
6	Pan	665	15052	100.3	0	---

Page 1/2

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು ಅಭಿಯಂತರರು
ಯಂತ್ರೋಪಕರಣ ಸಂಸ್ಥೆ
ಬಿ.ಎ.ಎ. ಬೆಂಗಳೂರು-106
9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com



HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-09-08-08 Date: 23-11-20
 Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division , BBMP, Bangalore
 Address : Yelahanka Satellite Town Sub Division , BBMP, Bangalore.
 Project Name : Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.
 Agency : Sri.G Venkatesgowda s/o Govindaraju, B3-11 2nd floor SFS 12th B main road Omega Hospital Yelahanka new town Bangalore- 560064.
 Customer's Reference : EE(YNK.D)E PMT 06/W.O/156/2020-21
 Source of Sample : Sample supplied by Agency
 Sample Condition : Satisfactory
 Date of Receipt : 20-11-20
 Sample Type : Birla Super 53grade
 Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification
 IS 4031 (Part 1,2,3,4,5, 6,11):1988
 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
 IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
 IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6

Date of test : 21-11-20

Environmental Conditions during test : Temperature: 26°C
 Humidity: 72%

SL.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.71	—
2	Fineness by Air permeability method ($m^2/kg, Min$)	296.7	225 $m^2/kg, Min$
3	Density (gm/cc)	3.14	—
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	175 minutes	Not less than 30 minutes
6	Final Setting time	280 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

ಇತರ ಯಾವುದೇ ಮಾದರಿಗಳನ್ನು ಪರೀಕ್ಷಿಸಲು ಈ ವರದಿ ಅನ್ವಯಿಸುವುದಿಲ್ಲ.
 ಇದರಲ್ಲಿ ಉಲ್ಲೇಖಿಸಿದ ಮಾಹಿತಿಗಳು ನಿಜವಾಗಿವೆ ಎಂದು ಖಚಿತಪಡಿಸಲಾಗಿದೆ.
 ಸಿ.ಪಿ.ಪ್ರೊ. ಲ್ಯಾಬೋರೇಟರಿ-ಬೆಂಗಳೂರು



FOR CIVIL PRO.

R. KARTHIK RECHAN

Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
 WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



QC ABSTRACT

NAME OF WORK: Providing benches and drilling of borewells at burial ground in ward no-04 of satellite town sub division.

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Fineness by dry sieving	One Test		1	1
		Fineness by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
3	Coarse aggregate(20 mm down size)	Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	PCC(M15)	Compressive Strength(7days and 28days)	1 set /1-5 cum	1.59	2	2
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	Chain Link Fencing	Average Thickness	One Test		1	1
		Dia of line wire	One Test		1	1
		Mesh size	One Test		1	1
		Nominal dia of mesh wire	One Test		1	1
8	M.S. Block Pipe	Bend Test	One Test		1	1
		Yield Stress	One Test		1	1
		Tensile Strength	One Test		1	1
		Elongation Percentage	One Test		1	1
		Weight/Meter	One Test		1	1
		Yield stress	One Test		1	1
		Tensile Strength	One Test		1	1
		Elongation Percentage	One Test		1	1
		Bend Test	One Test		1	1
		Bend Test	One Test		1	1

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



Certificate No.: TC-5548

4, 7TH MAIN MALLESWARAM, BANGALORE -3

10	WMM	Sieve Analysis	One Test		1	1
		Impact Value	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
11	Paver Block	Compressive Strength	One Test		1	1
		Water Absorption	One Test		1	1

ಶಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಧೀನ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ದಿ.ದಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-100